

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Aquatic Resources  
Honolulu, Hawaii 96813

September 12, 2008

Board of Land  
and Natural Resources  
Honolulu, Hawaii

Request for Approval of a Special Activity Permit for Dr. Thierry M. Work of The US  
Geological Survey, Biological Resources Division, and Designated Assistants

The applicant proposes to conduct activities relating to the collection of Hawaiian corals from the waters of the State for microscopic pathology to determine causes of disease and mortality. These activities include the collection of coral samples when incidents of coral disease or mortality are encountered. Because these incidents are unpredictable and indeterminate, the number of samples and species involved are not identified in the permit. Dr. Work has been working on this project for more than the past ten years, having received this permit for those years, and this permit represents his continuing efforts.

The Division of Aquatic Resources has reviewed this application and supports the efforts of Dr. Work on coral mortality and disease.

RECOMMENDATION:

"That the Board approve this request for a Special Activity Permit for Mr. Thierry Work."

Respectfully submitted,



DAN POLHEMUS  
Administrator

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN  
Chairperson

Department of Land & Natural Resources  
DIVISION OF AQUATIC RESOURCES  
1151 Punchbowl Street, Room 330  
Honolulu, Hawaii 96813

Special Activity  
Permit No. 2009-19

Date of Issue:

Expiration Date: 08/30/09

### SPECIAL ACTIVITY PERMIT

The Board of Land and Natural Resources hereby grants permission for certain collection of organisms belonging to the people of Hawaii, under Section 187A-6, Hawaii Revised Statutes, and other applicable laws.

The Permittee is

Name: Mr. Thierry M. Work Address: 300 Ala Moana Blvd.  
Title: Wildlife Disease Specialist P.O. Box 50167  
Affiliation: USGS, Biological Resources Division Honolulu, HI 96850

This permit is issued under the attached conditions, to collect samples of Hawaiian corals to do microscopic pathology to help elucidate causes of disease and mortality.

This permit authorizes the permittee (and any assistants designated on the final page(s) of the permit) to

#### TAKE                  POSSESS                  TRANSPORT                  KILL

aquatic life from the waters of the State as follows:

Common Name	Scientific Name	Maximum No. of Specimens	Collecting Location
Hard Corals	various species	as required	State waters, except as prohibited in Special Conditions section, page 3 of this permit
Lower vertebrates and invertebrates		" "	
Various marine fish		" "	

I. GENERAL CONDITIONS:

A. This permit does not make the Board of Land and Natural Resources or the State of Hawaii liable in any way for any claim of personal injury or property damage to the permittee or assistants which may occur during collection activity authorized by this permit; moreover, the permittee and all assistants agree to hold the State harmless against any and all claims of personal injury, death or property damage resulting from activities of the permittee or any assistant.

B. This permit conveys a privilege to engage in only those activities under the jurisdiction of the Division of Aquatic Resources. The permittee is responsible for complying with all applicable County, State, and Federal requirements. The permit does not convey any privilege of access over or through private property.

C. The permittee and each assistant are individually responsible and accountable for their actions while conducting activities authorized under this permit; additionally, the permittee is responsible and accountable for the actions of the permittee's assistants.

D. This permit is not transferable or assignable. Any person whose name does not appear on this permit and is conducting any activity described herein is subject to prosecution for violation of State laws.

E. The permittee may request changes to the permit. Any such request to make changes to the permit must be made in writing and received by the DAR at least two weeks prior to the change. All personnel changes will require each individual to sign an "Attachment" stating that they have read, understood, and agree to abide by all general and special permit conditions. No change may be implemented without written approval from the Department/DAR.

F. The permittee may request to:

1. Add assistants to the permit by having each assistant sign an "Attachment" and send the document to DAR;
2. Add another permittee or be replaced by another permittee in the manner stated above; and
3. Change the activities allowed under this permit.

G. A copy of this permit must be carried by the permittee or assistant while performing collecting activities authorized by this permit.

H. This permit authorizes collection of organisms protected by Federal law only with prior appropriate Federal authority, which must be described on Page 1 of this permit (if applicable).

I. The permit is not to be used for nor does it authorize the sale of collected organisms

J. This permit expires on the date indicated on Page 1. Within one month of the expiration date, the permittee must return this permit to the Division of Aquatic Resources with complete information on all collecting done under this permit, on the Activity Report form provided as part of this permit.

K. The permittee and assistants agree to provide access to data obtained under authority of this permit upon request of the Division of Aquatic Resources, and to provide to the Division a copy of each report, published for distribution, prepared with data obtained under this permit. The permittee agrees to provide the Division of Aquatic Resources access to organisms obtained and held under this permit for on-site inspection.

L. A violation of any terms or condition of this permit or any violation of State law not covered by this permit may result in revocation of the permit. The permittee may consider any such violation as grounds for denying any future permit applications.

M. The permittee will notify the Division of Aquatic Resources prior to the release and/or transfer of any organisms collected under the permit. The permittee will not release any organisms collected under this permit nor any organisms raised in a propagation facility under the authority of this permit, without the Division of Aquatic Resources' written approval.

SPECIAL CONDITIONS

1. This permit authorizes the use of spears, hands, gill nets, small mesh nets and traps (of all types) to collect various marine, fish and invertebrates, including hard corals for research, analysis, and microscopic pathology to determine causes of coral mortality in the waters of the State except at the following Marine Life Conservation Districts (MLCDs), Shoreline Fisheries Management Areas (SFMA), Marine Life Refuge (MLRs), Public Fishing Areas (PFAs), Natural Area Reserves (NARs), Fishery Management Areas (FMAs) and other prohibited locations or areas that may be designated as such during the effective period of this permit.

-----OAHU-----

Hanauma Bay MLCD  
Pupukea MLCD  
Waikiki MLCD  
Coconut Island MLR  
Heeia Kea Wharf FMA  
Waialua Bay FMA  
Pokai Bay FMA  
Honolulu Harbor FMA  
Ala Wai Canal FMA  
Kapalama Canal FMA  
Wahiawa PFA  
Diamond Head SFMA  
Nuuanu Freshwater  
Fish Refuge  
Haleiwa Harbor FMA  
Paiko Lagoon Wildlife  
Refuge

-----HAWAII-----

Kailua Bay FMA  
Waiakea PFA  
Wailea Bay MLCD  
Lapakahi Bay MLCD  
Kealahou Bay MLCD  
Hilo Bay FMA  
Wailoa River FMA  
Wailuku River FMA  
Puako Bay & Reef FMA  
Kawaihae Harbor FMA  
Old Kona Airport MLCD  
Kiholo Bay FMA  
West Hawaii Regional FMA  
  
-----LANAI-----  
Manele-Hulopoe MLCD  
Manele Harbor FMA

-----MAUI-----

Kahului Harbor FMA  
Honolua-Mokuleia Bay MLCD  
Molokini Shoal MLCD  
Ahihi-Kinau NAR  
  
-----KAUAI-----  
Waimea Recreation Pier &  
Waimea Bay FMA  
Kapaa Canal FMA  
Waikanae Canal FMA  
Kokee PFA  
Ahukini Recreational  
Pier FMA  
Hanamaulu Bay FMA

-----MOLOKAI-----

Kauanakakai Harbor FMA

Discretion should be used to avoid conflict with fishermen or others during collecting activities at any location.

2. The use of any chemical substance is expressly prohibited under this permit. The primary permittee and designated assistants, however, may have in possession a reasonable amount of preservatives such as formalin or alcohol for preserving the specimens collected.

3. The primary permittee and designated assistants are required to obtain permission before entering upon lands or waters not under the jurisdiction of the Division of Aquatic Resources (see "C", General Conditions, page 2 of this permit).

4. This permit does not by implication authorize the primary permittee or any designated assistant to engage in any other activity if in violation of any other State, Federal or County law, regulation or ordinance.

5. The primary permittee or a designated assistant responsible for the field collecting activity shall notify the Division of Conservation and Resources Enforcement at least 48 hours in advance of any field collecting activity and provide such information as: location; date; time; and number of persons to be involved. Telephone - Honolulu 587-0077; Hawaii 974-6208; Maui 984-8110; Kauai 274-3521; or Molokai 567-6618.

LAURA H. THIELEN, Chairperson and member  
Board of Land and Natural Resources

SPECIAL  
ACTIVITY Permit No. 2009-19

## REPORT OF COLLECTING AND OTHER ACTIVITIES

Results of all activities performed under authority of this permit must be reported on this form (or copies) within one month after the permit expires (see first page). Use as many sheets as you need. Submit the report to the Division of Aquatic Resources at 1151 Punchbowl Street, Room 330, Honolulu, HI 96813.

Date	Location	Common or Scientific Name	Quantity Collected*	Disposition of Specimens
------	----------	------------------------------	------------------------	--------------------------------

\_\_\_\_\_  
Signature of Permittee

Date \_\_\_\_\_

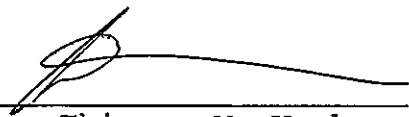
\*If salvaged (collected because the specimen was dead or injured already), please detail circumstances: condition (dead, or describe extent of injury), how or from whom the specimen was obtained.

SPECIAL  
ACTIVITY Permit No. 2009-19

SIGNATURE AND ACKNOWLEDGEMENT

By my signature below, I attest that I understand the general conditions (Items A-M on Page 2 & 3) and any special conditions (Nos. 1 through 5 on page 4) to Special Activity Permit No. 2009-19 . Further, I agree to abide by all of these conditions when collecting under authority of this permit.

PRINCIPAL PERMITTEE:

  
Thierry M. Work

DESIGNATED ASSISTANTS:

Signature: Don AR

Print Name: Robert A Rameyer

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: Renee Eismueller

Print Name: Renee Eismueller

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_